

Appl. No. 09/960,541  
Response dated 4/17/2006  
Reply to Office Action of 10/17/2005

### AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims

1-66 (withdrawn)

67. (currently amended) In a computer system, a method for presenting family data comprising:  
obtaining family data comprising a group of records related by at least one common value,  
wherein said family data comprises a subset of a hierarchical structure defined by a  
partition wherein said partition is stored in a partition table separate from said family data  
and wherein said partition table comprises at least one record comprising a field or  
attribute in said family data and wherein said field or said attribute is associated with a  
family ID wherein said at least one record in said partition table defines said partition and  
wherein said partition is layered upon an existing taxonomy in said family data and  
wherein said taxonomy comprises a category field and at least one further field  
comprising a manufacturer field;  
~~generating a family table from said family data;~~  
presenting a visual representation of said family ~~table data~~ to a user;  
obtaining at least one pivot value from a user, wherein said at least one pivot value comprise data  
associated with said family ~~table data~~;  
storing said at least one pivot value in said computer system independent of said family data;  
dynamically applying said at least one pivot value to said family ~~table data~~ during at least one  
pivot operation by activating one user interface element without stepping through  
multiple wizard windows, wherein said at least one pivot operation generates a first  
preview table of said family data wherein said group of records in said first preview table  
depends on said at least one pivot value; and,  
presenting a visual representation of said first preview table to said user.

Appl. No. 09/960,541  
Response dated 4/17/2006  
Reply to Office Action of 10/17/2005

68. (original) The method of claim 67 further comprising:  
obtaining at least one additional pivot value from said user;  
dynamically applying said at least one additional pivot value to said first preview table;  
regenerating said first preview table to form a second preview table, wherein said group of  
records in said second preview table depends on said at least one additional pivot value.

69. (original) The method of claim 67 further comprising:  
obtaining at least one different pivot value from said user, wherein said at least one different  
pivot value differs from said at least one pivot value;  
dynamically applying said at least one different pivot values to said table;  
regenerating said first preview table to form a second preview table, wherein said group of  
records in said second preview table depends on said at least one different pivot value.

70. (original) The method of claim 67 wherein said step of dynamically applying said at least  
one pivot value executes in real-time upon obtaining said at least one pivot value.

71. (original) The method of claim 67 wherein said obtaining family data comprising a group of  
records related by at least one common value comprises:  
obtaining a taxonomy comprising at least one category field, said taxonomy comprising said  
hierarchical structure;  
utilizing said at least one category field to define said partition in a partitioning hierarchy;  
layering said partitioning hierarchy on top of said taxonomy.

72. (original) The method of claim 71 further comprising:  
defining an additional partition on said partitioning hierarchy.

73. (original) The method of claim 71 where said at least one pivot operation is performed at  
any level in said partitioning hierarchy.

Appl. No. 09/960,541  
Response dated 4/17/2006  
Reply to Office Action of 10/17/2005

74. (original) The method of claim 67 wherein said step of obtaining at least one pivot value from said user comprises:  
obtaining layout information.

75. (original) The method of claim 74 wherein said layout information comprises inheritance properties associated with child nodes of said portioning hierarchy.

76. (original) The method of claim 75 wherein said layout information comprises information for overriding said inheritance properties on a node-by-node basis.

77. (original) The method of claim 67 wherein said at least one pivot operation reduces redundant information shown in said first preview table.

78. (original) The method of claim 67 wherein said at least one pivot operation utilizes said at least one pivot value to execute at least one stack pivot.

79. (original) The method of claim 78 wherein at least one additional stack pivot is nested with said at least one stack pivot.

80. (original) The method of claim 67 wherein said at least one pivot operation utilizes said at least one pivot value to execute at least one horizontal pivot.

81. (original) The method of claim 80 wherein at least one additional horizontal pivot is nested with said horizontal pivot.

82. (original) The method of claim 67 wherein said at least one pivot operation utilizes said at least one pivot value to execute at least one vertical pivot.

Appl. No. 09/960,541  
Response dated 4/17/2006  
Reply to Office Action of 10/17/2005

83. (original) The method of claim 67 wherein said at least one pivot operation comprises:  
identifying at least one pivot axis in a table wherein said pivot axis corresponds to said at least one pivot value;

removing said at least one pivot axis from said table;

generating said first preview table by breaking said first preview table into sub-tables based on said at least one pivot axis.

84. (original) The method of claim 83 wherein said pivot axis comprises a row in said table.

85. (original) The method of claim 83 wherein said pivot axis comprises a column in said table.

86. (original) The method of claim 83 further comprising: sorting said family data into said sub-tables based on said at least one pivot value of said pivot axis.

87. (original) The method of claim 83 wherein said at least one pivot operation comprises a horizontal pivot comprising:  
combining said sub-tables into said first preview table by arranging said sub-tables horizontally.

88. (original) The method of claim 87 further comprising: adding an additional row to said preview table comprising said at least one pivot value, said additional row labeling said sub-tables.

89. (original) The method of claim 83 wherein said at least one pivot operation comprises a stack pivot comprising:  
combining said sub-tables into said first preview table by arranging said sub-tables vertically.

90. (original) The method of claim 89 further comprising adding an additional row to said first preview table containing said at least one pivot value before each of said sub-tables.

Appl. No. 09/960,541  
Response dated 4/17/2006  
Reply to Office Action of 10/17/2005

91. (original) The method of claim 89 further comprising:  
preserving each of said sub-tables;  
labeling said sub-tables with said at least one pivot value.

92. (original) The method of claim 83 wherein said pivot operation comprises a vertical pivot,  
said vertical pivot comprising: combining sub-tables into said first preview table by arranging  
said sub-tables vertically.

93. (original) The method of claim 92 further comprising: adding an additional column  
containing said at least one pivot value to label a group of rows comprising each sub-table.

94-135 (withdrawn)

136-171 (canceled)